

WHAT IS CLAIMED IS:

1. A windshield wiper arrangement for a windshield of a vehicle, the windshield wiper arrangement being coupled to a windshield wiper arm that is coupled at a first end thereof to the vehicle and at a second end thereof to the windshield wiper arrangement for applying a force thereto with respect to the vehicle in a direction that urges the windshield wiper arrangement toward the windshield and which moves the windshield wiper arrangement across the windshield, the windshield wiper arrangement having windshield wiper blade coupled thereto for communicating with the windshield of the vehicle, the windshield wiper arrangement further comprising, a windshield wiper blade support formed of a resilient material, the windshield wiper blade support having:
- a primary beam having first and second ends, said primary beam being arranged to be coupled with the windshield wiper arm in a coupling region intermediate of the first and second ends to define first and second portions of said primary beam between the coupling region and the first end, and between the coupling region and the second end, respectively;
- a first compliant beam portion integrally formed with said primary beam, said first compliant beam portion being formed of three compliant sections arranged as an end-point triangle having three compliant section junctures, said first compliant beam portion being coupled at one of the three compliant section junctures to the first end of said primary beam and the remaining two compliant section junctures being arranged to couple with the windshield wiper blade;
- a second compliant beam portion integrally formed with said primary beam, said second compliant beam portion being formed of two compliant sections arranged as a triangle with a portion of the first portion of said primary beam forming a leg of the triangle, a compliant section juncture distal from the first portion of said primary beam being arranged to couple with the windshield wiper blade;
- a third compliant beam portion integrally formed with said primary beam, said third compliant beam portion being formed of two compliant sections arranged as a triangle with a portion of the second portion of said primary beam forming a leg of the triangle, a compliant section juncture distal from the second portion of said primary beam being arranged to couple with the windshield wiper blade.
2. The windshield wiper arrangement of claim 1, wherein there is further provided a fourth compliant beam portion integrally formed with said primary beam, said fourth compliant beam portion being formed of three compliant sections arranged as an end-point triangle having three compliant section junctures, said first compliant

beam portion being coupled at one of the three compliant section junctures to the second end of said primary beam and the remaining two compliant section junctures being arranged to couple with the windshield wiper blade.

5 3. The windshield wiper arrangement of claim 1, wherein the two compliant sections arranged as a triangle of said second compliant beam portion are angled such that the compliant section juncture distal from the first portion of said primary beam is disposed in a spatial region intermediate of the further portion of the first portion of said primary beam that forms a leg of the triangle and the coupling region intermediate of the first and second ends of the primary beam.

10 4. The windshield wiper arrangement of claim 1, wherein the two compliant sections arranged as a triangle of said third compliant beam portion are angled such that the compliant section juncture distal from the second portion of said primary beam is disposed in a spatial region intermediate of the further portion of the second portion of said primary beam that forms a leg of the triangle and the coupling region intermediate of the first and second ends of the primary beam.

15 5. The windshield wiper arrangement of claim 1, wherein there is further provided a fourth compliant beam portion integrally formed with said primary beam, said fourth compliant beam portion being formed of two compliant sections arranged as a triangle with a further portion of the first portion of said primary beam forming a leg of the triangle, a compliant section juncture distal from the first portion of said primary beam being arranged to couple with the windshield wiper blade.

20 6. The windshield wiper arrangement of claim 5, wherein the two compliant sections arranged as a triangle of said fourth compliant beam portion are angled such that the compliant section juncture distal from the first portion of said primary beam is disposed in a spatial region intermediate of the further portion of the first portion of said primary beam that forms a leg of the triangle and the coupling region intermediate of the first and second ends of the primary beam.

25 7. The windshield wiper arrangement of claim 1, wherein there is further provided a fifth compliant beam portion integrally formed with said primary beam, said fifth compliant beam portion being formed of two compliant sections arranged as a triangle with a further portion of the second portion of said primary beam forming a leg of the triangle, a compliant section juncture distal from the second portion of said primary beam being arranged to couple with the windshield wiper blade.